

WE CLAIM:

1. An applicator plate for an adhesive applicator apparatus for a core-making machine which applies adhesive to a web which moves from an upstream direction to a downstream direction, the applicator plate having a top portion, a bottom portion having a bottom surface, a pair of side surfaces, an upstream face which extends generally downwardly to the bottom surface for directing adhesive to the bottom surface, and a downstream face, the bottom surface extending from the upstream face beyond the downstream face and being adapted to spread adhesive on a web below the bottom surface, said bottom portion having a narrow wedge-shaped portion which extends in a downstream direction from said downstream face and which is defined by said bottom surface and by an upper surface which extends from said downstream face.

2. The applicator plate of claim 1 in which said bottom surface and said upper surface form an included angle of about 10° to about 20°.

3. The applicator plate of claim 1 in which said wedge-shaped portion extends for at least about 0.03 to about 0.11 inch from said downstream face.

4. The applicator plate of claim 3 in which said downstream face extends upwardly from said upper surface at an angle of about 90°.

5. The applicator plate of claim 3 in which the bottom surface has a dimension of about 0.070 to about 0.160 inch.

6. The applicator plate of claim 5 in which said bottom surface is substantially flat.

7. The applicator plate of claim 3 in which the thickness of said wedge-shaped portion has a thickness of about 0.005 to about 0.065 inch at said downstream face.

8. The applicator plate of claim 7 in which said wedge-shaped portion has a downstream end which has a thickness of about 0.007 to about 0.011 inch.

9. The applicator plate of claim 7 in which said wedge-shaped portion has a downstream end which has a thickness of less than 0.025 inch.

10. The applicator plate of claim 1 in which said downstream face extends upwardly from said upper surface at an angle of about 90°.

11. The applicator plate of claim 1 in which the thickness of said wedge-shaped portion has a thickness of about 0.005 to about 0.065 inch at said downstream face.

12. The applicator plate of claim 11 in which said wedge-shaped portion has a downstream end which has a thickness of about 0.007 to about 0.011 inch.

13. The applicator plate of claim 11 in which said wedge-shaped portion has a downstream end which has a thickness of less than 0.025 inch.

14. The applicator plate of claim 1 in which said upstream face has substantially flat top and side portions and a recessed portion which extends downwardly to said bottom surface

whereby adhesive may flow in the recessed portion to said bottom surface.